



Attorney's Docket No.: 14-000002US1 / CH:HTO, PC/O-24-2115

#13/100
3/13/03
J. L. Lutto

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Teruo Okano et al.

Art Unit : 1723

Serial No. : 09/700,602

Examiner : Therkorn

Filed : January 19, 2001

Title : CHROMATOGRAPHIC PACKING HAVING NOVEL CHARACTERISTICS
AND METHOD FOR SEPARATING SUBSTANCES BY USING THE SAME

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

In response to the action mailed on October 3, 2002 ("Office Action"), please amend the application as follows:

In the claims:

Cancel claims 12-14 without prejudice.

Please amend claims 5 and 8 as follows:

b¹ --5. (Amended) The separation method as claimed in Claim 3 or 4, wherein said temperature-responsive polymer, with which the surface of the carrier is chemically modified, is a polyalkylacrylamide polymer or copolymer having an amino, a carboxyl, or a hydroxyl group in the side chains or at the ends.--

b² --8. (Amended) A method for separating substances characterized by retaining the substances in a stationary phase made of a chromatographic packing chemically modified with a polyalkylacrylamide copolymer having an amino, a carboxyl, or a hydroxyl group, then changing the hydrophilic/hydrophobic balance on the surface of the stationary phase by the temperature gradient method wherein the external temperature is changed stepwise, and passing the substances through a single mobile phase to thereby separate the same.--

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